Table 1: Typical properties of Hydrogenated Soybean Oil (Archer Daniels Midland (Decaur III.) designated by their product number 86-197-0)				
Property	Lancar by their product number 86-197-(i) Evpical analysis			
Löyibond Red Color	2:0-max			
(Saponification)	180 mgKOH/g			
Viscosity	60SUS @ 210F			
Hardness (needle penetration)	2dmm @77F			
%FFA [†] Max	0.10 max			
Flavor Min	Characteristic			
P.V. Mil eq/kg/max	1.0max			
FLmin	8:0 min			
Specific gravity (H2O = 1).	50.92			
% Moisture max.	0.05 max			
EV by R.I.	\$2:0/max			
Iron (ppm).	0.3;max			
Soap (ppm)	13.0 max.			
Nickel:(ppm)	.0:02°max			
Copper (ppm)				
Phosphorous (ppm)	15.0 Max			
Residual Citric Acid (ppm) 18.	150 max			
Mettler Drop Point (F)	155-160			
Typical Eatty Acid Composition (by GLC)				
C14.0*	3.0 max			
©16:0	3-14			
C(18:0)	82594			
C20:0	S max			

^{*}number of carbon atoms:number of double bonds (e.g., 18:2 refers to linoleic acid palmitic acid (16:0), stearic acid (18:0), oleic acid (18:1), arachidic acid (20:0) and behenic acid (22:0)

Property.	Lypical analysis
Loyibend Red Color 1985	4.0 max
%Free Faity Actits Max	0.10 max
Flavor Min	Bland
lodine Value lov R.T.	5.0 max
Mettler-Drop Point (F)	£ 136-142
Saponification	185 mgKOH/g
Viscosity **	65 SUS@210 F
lardness (needle penetration)	2-3-dmin:@77F
Vpical Fatty Acid Composition (by GLC	
8.0.	303%max /
10:0	0.3 max
12:0	0.59% max
14:04: 47.1	
16:0	161% max
	39:5%:min 4
18:0	53.0% <u>min</u>
18:1:	110%max
18:2	0.5% max

^{*}number of carbon atoms:number of double bonds (e.g., 18:2 refers to linoleic acid

Table 3: MVTR Evaluation (ASTM D3833)

Wax Sample	Control Citgo Blend-Kote 467	Marcus Palm Oil Wax	Marcus Nat
Sample Coating Weight lb/1000sqft	5.8	5.6	Soy Wax
MVTR (Grams/100 sq inches in 24 hours)	8.6 ± 0.9	14.5 ± 1.1	10.0 ± 0.4

Table 4: Repulping Evaluation

Wax Sample	Control Citgo Blend-Kote 467	Marcus Palm Oil Wax	Marcus Nat 155 Soy Wax
Sample Coating Weight lb/1000sqft	5.7	5.7	5.8
Repulping test results 0= No particles evident 1= small number of small particles evident 2= Moderate number of small particles evident (less than control wax) 3= Very large number of small particles are evident (Control wax)	3	0.5	2

